Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/13/2017 09:33 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124309	-1	2.01	124173	2.02
Blue	F	SSC	125000	124530	-1	3.59	124828	3.38
Blue	E	FITC	23795	23069	-4	2.99	1031	10.70
Blue	D	PE	29673	28946	-3	2.55	1043	10.39
Blue	B	PerCP-Cy5-5	48943	47730	-3	3.87	1363	17.77
Blue	A	PE-Cy7	44112	43782	-1	5.60	675	36.48
Red	C	APC	54273	52927	-3	2.90	3043	9.60
Red	A	APC-Cy7	54945	54020	-2	2.91	1117	11.90
Violet	B	V450	15756	15110	-5	4.55	724	9.25
Violet	A	V500	62569	61086	-3	4.29	2710	6.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19226	3.50	612	-2	N/A	N/A	Pass
Blue	F	SSC	61130	1.75	549	3	N/A	N/A	Pass
Blue	E	FITC	114	39.65	549	-1	0.0192	133	Pass
Blue	D	PE	225	30.52	547	1	0.1434	235	Pass
Blue	B	PerCP-Cy5-5	215	45.76	638	-1	0.0091	52	Pass
Blue	A	PE-Cy7	71	123.55	695	-4	0.0113	14	Pass
Red	C	APC	355	28.57	601	1	0.0200	103	Pass
Red	A	APC-Cy7	122	41.34	579	-5	0.0047	1101	Pass
Violet	B	V450	88	42.36	473	1	0.0470	2002	Pass
Violet	A	V500	197	23.69	501	2	0.0139	551	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.66	-31.02	0.90
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.33
Red	17.13	13.27 - 19.91	N/A	N/A	30.91	31.55	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9877

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments